



DIGITBRAIN

Digital Twins for Manufacturing

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DIGITbrain has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 952071



The DIGITbrain consortium



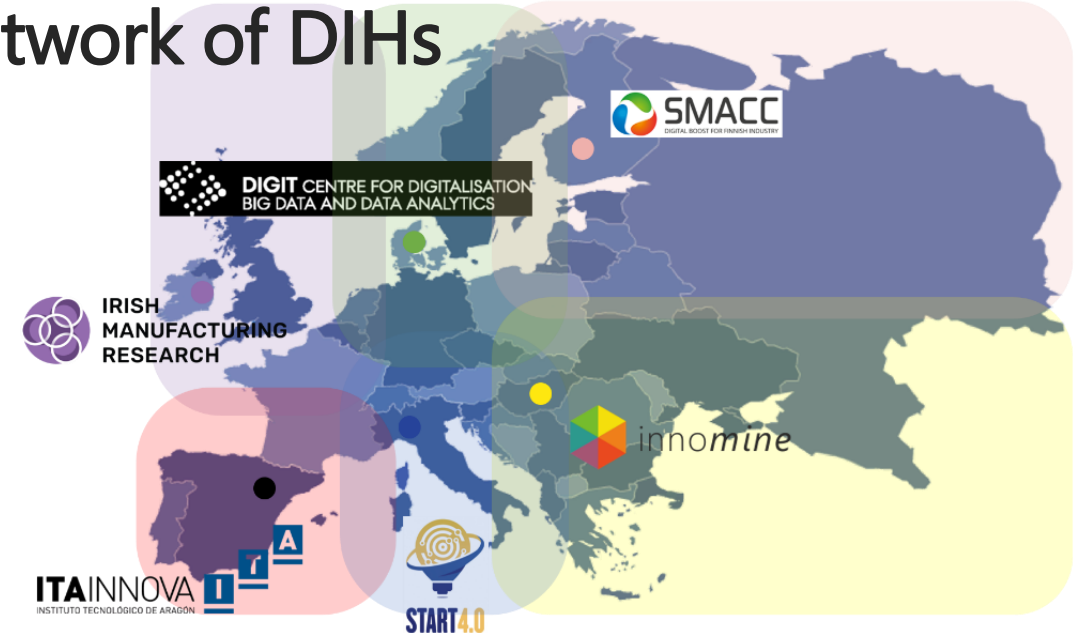
Core technical and administrative partners



Experiment partners



Network of DIHs



Challenge

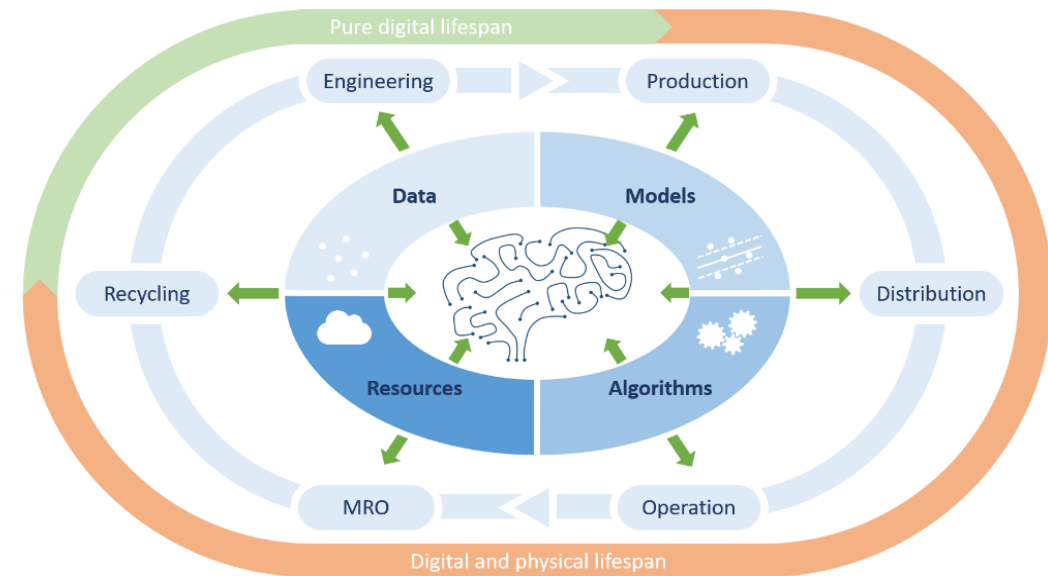


- DIGITbrain main challenge

- "...to enable customised industrial products and to facilitate cost-effective distributed and localised production for manufacturing SMEs..."

- How?

- "...by means of modelling, simulation, optimisation, analytics, and machine learning tools to augment the concept of digital twin with a memorising capacity..."




DIGITbrain in a nutshell

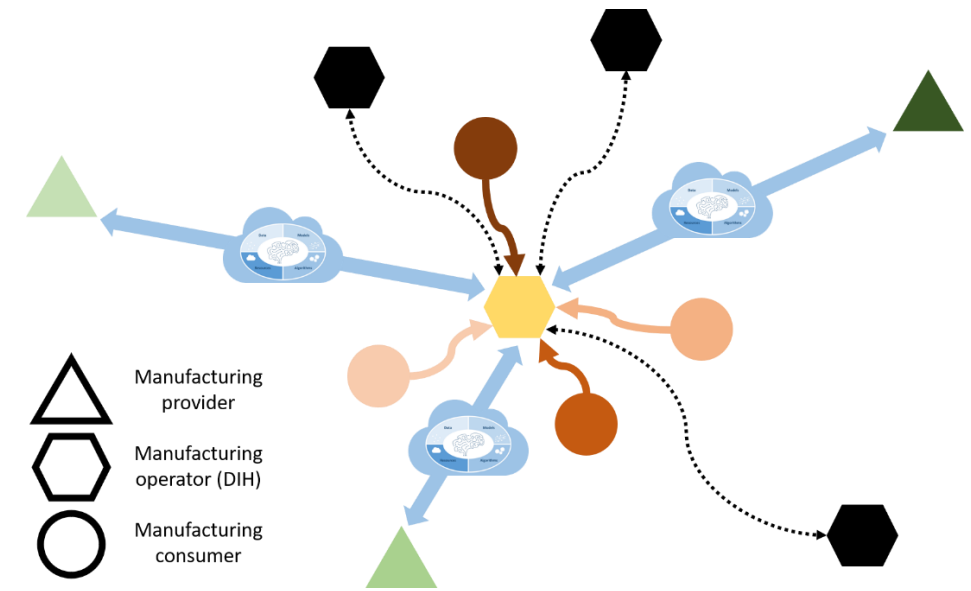
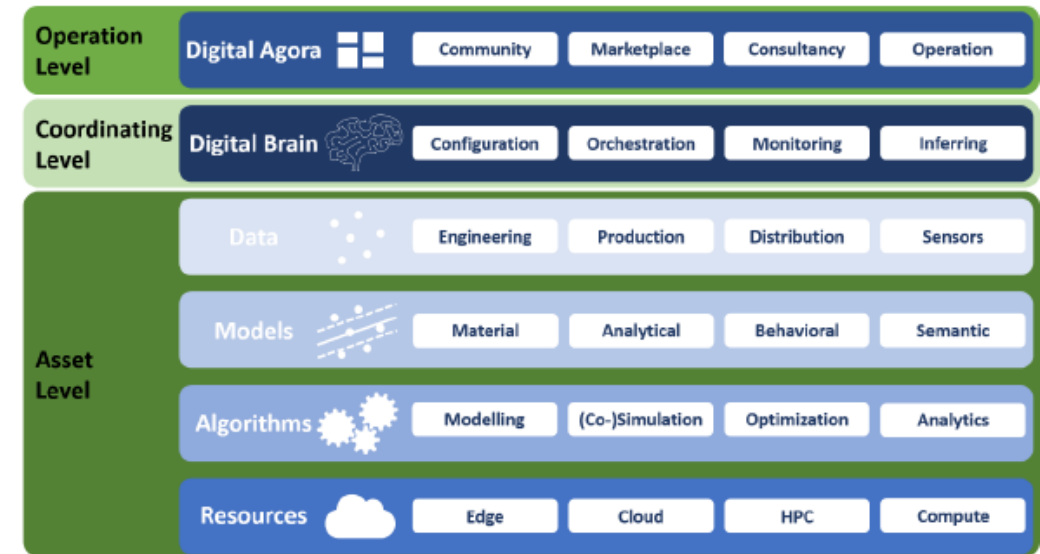


- Extend the Digital Twin concept with memorizing capacity to cover the whole product lifetime
 - Accelerate adaptation of manufacturing and products to changing conditions
 - Facilitate flexible manufacturing to strengthen competitiveness
 - Enable personalized manufacturing in an affordable way
- Democratize technology access for manufacturing SMEs

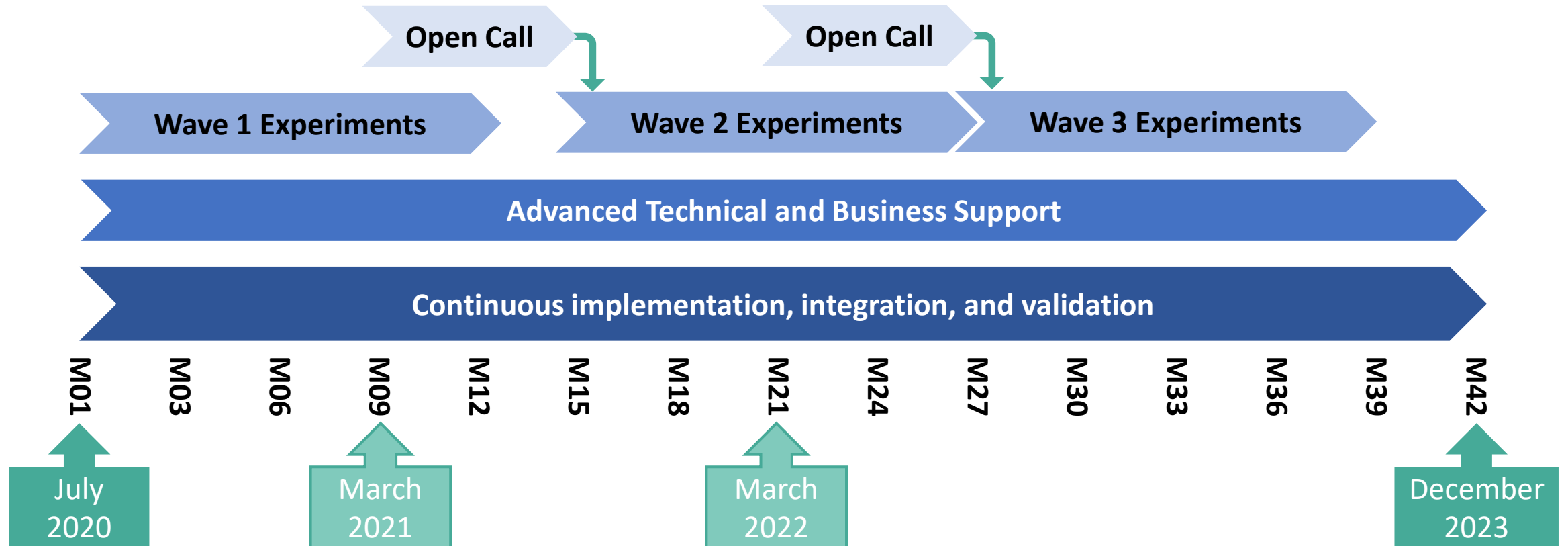


DIGITbrain objectives

1. To implement the Digital Brain concept
 - ☐ To configure and orchestrate data, models, algorithms, and resources
2. To develop MaaS business model
 - ☐ To be implemented by the DIHs
3. To augment the capabilities of the  Marketplace
 - ☐ Integrating Digital Brain concept and MaaS business model
4. To conduct three waves of experiments
 - ☐ To validate the project results: 1 internal, and 2 Open Calls
5. To evangelise the manufacturing community
 - ☐ On the benefits and impact of MaaS – DIHs involvement



DIGITbrain timeline





DIGITBRAIN

Thank you for your attention!

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